

Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use separate sheets if necessary)

JUL 09 2004

Docket Number (Optional)  
BSA-010.03 (20704-1002)Application Number  
10/756,793Applicant  
Babich, J.W et al.Filing Date  
January, 13, 2004Group Art Unit  
1625**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CC	AA	US 5,288,514	02/22/94	Ellman	427	2	09/14/92
	AB	US 5,362,899	11/08/94	Campbell	558	108	09/09/93
	AC	US 5,359,115	10/25/94	Campbell et al.	558	110	09/11/92
	AD	US 5,143,854	09/01/92	Pirrung et al	436	518	03/07/90
	AE	US 5,480,971	01/02/96	Houghten et al.	530	328	06/09/94
	AF	US 5,440,016	08/08/95	Blondelle et al	530	330	06/18/93
	AG	US 5,919,934	01-2001	John et al	546	247	
	AH	US 6,171,576	01-2001	Meltzer et al.	424	1.65	
CC	AI	US 5,136,038	08-1992	Bodor	546	169	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
CC	AJ	WO 91/07087	05/30/91	PCT			X
	AK	WO 93/09668	05/27/93	PCT			X
	AL	WO 92/10092	06/25/92	PCT			X
	AM	WO 94/08051	04/14/94	PCT			X
	AN	WO 93/20242	10/14/93	PCT			X
	AO	WO 98/37055	08/27/98	PCT			X
	AP	WO 01/83436 A2	11/08/01	PCT			X
	AQ	WO 01/98266	12-2001	PCT			
CC	AR	EP 0 200 211 A1	11/05/86	European Patent Application			X

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages Etc.)

CC	AS	Innis et al.; "Single Photon Emission Computed Tomography Imaging of Monoamine Reuptake Sites in Primate Brain With [ <sup>125</sup> I] CIT", European Journal of Pharmacology 200, 369-370, (1991)
CC	AT	Kung et al.; "Imaging of Dopamine Transporters in Humans with Technetium-99m TRODAT-1", European Journal of Nuclear Medicine, 23 (11): 1527-1530, (1996)
CC	AU	Dahl et al.; "Deletion Mapping of X-Linked Mixed Deafness (DFN3) Identifies A 265-525-kb Region Centromeric of DXS26", Am. J. Hum. Genet. 56: 999-1002, (1995)
CC	AV	Valerio et al.; "Synthesis of Peptide analogues Using the Multiplin Peptide Synthesis Method", Analytical Biochemistry 197: 168-177 (1991)

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CC	AW	Stoof et al.; " Leads for the Development of Neuroprotective Treatment in Parkinson's Disease and Brain Imaging Methods for Estimating Treatment Efficacy", European Journal Of Pharmacology 375: 75-86, (1999)
	AX	Gallop et al.; " Application of Combinatorial Technologies to Drug Discovery. 1. Background and Peptide Combinatorial Libraries", Journal of Medicinal Chemistry, 37(9) : 1233-1251, (April 29, 1994)
	AY	Berge et al.; "Pharmaceutical Salts", Journal of Pharmaceutical Sciences, 66(1): 1-19, (January 1977)
	AZ	Ohlmeier et al.; " Complex Synthetic Chemical Libraries Indexed with Molecular Togs", Proc. Natl. Acad. Sci., USA, 90: 10922-10926, (December 1993)
	BA	Innis et al.; " Single Photon Emission Computed Tomographic Imaging Demonstrates Loss of Striatal Dopamine Transporters in Parkinson Disease", Proc. Natl. Acad. Sci., USA 90: 11965-11969, (December 1993)
	BB	Kung et al.; " Synthesis of New Bis (Aminoethanethiol) (BAT) Derivatives: Possible Ligands for <sup>99m</sup> Tc Brain Imaging Agents ", J. Med. Chem. 28: 1280-1284, (1985)
	BC	Meltzer et al.; " Substituted 3-Phenyltropane Analogs of Cocaine: Synthesis, Inhibition of Binding at Cocaine Recognition Sites, and Positron Emission Tomography Imaging", J.Med. Chem. 36: 855-862, ( 1993)
	BD	Carroll et al.; " Cocaine Receptor: Biochemical Characterization and Structure-Activity Relationships of Cocaine Analogues at the Dopamine Transporter", Journal of Medicinal Chemistry, 35(6): 969-981, (March 20, 1992)
	BE	Meegalla et al.; " First Example of a <sup>99m</sup> Tc Complex as a Dopamine Transporter Imaging Agent", J. Am. Chem. Soc. 117: 11037-11038, (1995)
	BF	Smith et al.; " Tuning Selectivity of Monoamine Transporter Inhibitors by the Stereochemistry of the Nitrogen Lone Pair", J. Am. Chem. Soc. 120: 9072-9073, 9 1998)
	BG	Neumeyer et al.; " [ <sup>123</sup> I]-2β-Carbomethoxy-3β-(4-iodophenyl) Tropane: High-Affinity SPECT Radiotracer of Monoamine Reuptake Sites in Brain", J. Med. Chem. 34 : 3144-3146, (1991)
	BH	Hoepping et al.; " Synthesis and Biological Evaluation of Two Novel Dat-Binding Technetium Complexes Containing a Piperidine Based Analogue of Cocaine", Bioorganic & Medicinal Chemistry Letters, 9: 3211-3216, (1999)
	BI	Gu et al.; " Stable Expression of Biogenic Amine Transporters Reveals Differences in Inhibitor Sensitivity, Kinetics, and Ion Dependence", The Journal of Biological Chemistry, 269 (10): 7124-7130, (1994)
	BJ	Frost et al.; " Positron Emission Tomographic Imaging of the Dopamine Transporter with <sup>11</sup> C -WIN 35,428 Reveals Marked Declines in Mild Parkinson's Disease", Annals of Neurology, 34: 423-431, (1993)
	BK	Blaney and Dixon, " Receptor Modeling by Distance Geometry", Annual Reports in Medicinal Chemistry, 26:281-286, (1991)
	BL	Meegalla et al.; " Synthesis and Characterization of Technetium-99m- Labeled Tropanes as Dopamine Transporter-Imaging Agent", J. Med. Chem. 40: 9-17, (1997)
CC	BM	Hamilton and Steiner, " Immunophilins: Beyond Immunosuppression", Journal of Medicinal Chemistry, 41(26):5119-5143, (December 17, 1998)

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CC	BN	Luyt et al.; "An N <sub>2</sub> S <sub>2</sub> Bifunctional Chelator for Technetium-99m and Rhenium: Complexation, Conjugation, and Epimerization to a Single Isomer", Bioconjugate Chem. 10: 470-479, (1999)
	BO	Hom and Katzenellenbogen; "Technetium-99m-Labeled Receptor-Specific Small-Molecule Radiopharmaceuticals: Recent Developments and Encouraging Results", Nuclear Medicine and Biology, 24: 485-498, (1997)
	BP	Nicholson et al.; "The Synthesis and Characterization of [MCl <sub>3</sub> (N=NC <sub>5</sub> H <sub>4</sub> NH)(HN=NC <sub>5</sub> H <sub>4</sub> N)] From [MO <sub>4</sub> ] <sup>-</sup> (where M= Re, Tc) Organodiazenido, Organodiazene-Chelate Complexes. The X-ray Structure of [ReCl <sub>3</sub> (N=NC <sub>5</sub> H <sub>4</sub> NH)(HN=NC <sub>5</sub> H <sub>4</sub> N)]", Inorganica Chimica Acta, 252: 421-426, (1996)
	BQ	Rose et al.; "Synthesis and Characterization of Organohydrazino Complexes of Technetium, Rhenium, and Molybdenum with the {M(η <sup>1</sup> -H <sub>x</sub> NNR)(η <sup>2</sup> -H <sub>y</sub> NNR)} Core and Their Relationship to Radiolabeled Organohydrazine-Derivatized Chemotactic Peptides With Diagnostic Applications", Inorg. Chem. 37: 2701-2716, (1998)
	BR	Fowler et al.; "Mapping Cocaine Binding Sites in Human and Baboon Brain In Vivo", Synapse, 4:371-377, (1989)
	BS	Villemagne et al.; "Doses of GBR12909 That Suppress Cocaine Self-Administration in Non - Human Primates Substantially Occupy Dopamine Transporters as Measured by [ 11 C ] WIN35,428 PET Scans", Synapse 32: 44-50, (1999)
	BT	Shaya et al.; "In Vivo Imaging of Dopamine Reuptake Sites in the Primate Brain Using Single Photon Emission Computed Tomography (SPECT) and Iodine-123 Labeled RTI-55", Synapse 10: 169-172 (1992).
	BU	Ilgin et al.; "PET Imaging of the Dopamine Transporter in Progressive Supranuclear Palsy and Parkinson's Disease", Neurology 52: 1221-1226, (1999)
	BV	Kaufman and Madras; "Distribution of Cocaine Recognition Sites in Monkey Brain: II. EX Vivo Autoradiography With [ <sup>3</sup> H ] CFT and [ <sup>125</sup> I ] RTI-55", Synapse 12: 99-111, (1992).
	BW	Jacobs and Fodor, "Combinatorial Chemistry- Applications of Light-directed Chemical Synthesis", TIBTECH. 12:19-26, (January 1994).
	BX	Chen et al.; " "Analogous" Organic Synthesis of Small Compound Libraries: Validation of Combinatorial Chemistry in Small-Molecule Synthesis", J. Am. Chem. Soc. 116: 2661-2662, (1994)
	BY	Kerr et al.; "Encoded Combinatorial Peptide Libraries Containing Non- Natural Amino Acids", J. Am. Chem. Soc. 115: 2529-2531, (1993)
	BZ	Kozikowski et al.; "Chemistry and Pharmacology of the Piperidine-Based Analogues of Cocaine. Identification of Potent DAT Inhibitors Lacking the Propane Skeleton", J. Med. Chem. 41: 1962-1969, (1998)
	CA	Patane et al.; " Selective α- 1A Adrenergic Receptor Antagonists. Effects of Pharmacophore Regio- and Stereochemistry on Potency and Selectivity", Bioorganic and Medicinal Chemistry Letters 8:2595-2500, (1998)
	CB	Yung et al.; "In Vivo Dopamine Transporter Sites Imaging in Human Using [c-11] WIN 35,428 Positron Emission Tomography (pet)", The Journal of Nuclear Medicine, 34(5): 197P(Abstract book), ( May 1993)
	CC	Spies et al.; "Neutral Oxorhenium (v) Complexes with Tridentate Dithiolates and Monodentate Alkane- or Arene-thiolate Coligands", J. Chem Soc. Dalton Trans.; No 13, pp.2277-2280, (July 7 <sup>th</sup> , 1995 )
CC	CD	Needels et al.; "Generation and Screening of an Oligonucleotide-encoded synthetic Peptide Library", Proc. Natl. Acad. Sci. USA 90: 10700-10704, (November 1993)

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CC	CE	Brenner and Lerner, "Encoded Combinatorial Chemistry", Proc. Natl. Acad. Sci. USA 89: 5381-5383, (June 1992)
	CF	Bray et al.; "Gas Phase Cleavage of Peptides from a Solid Support with Ammonia Vapour. Application in Simultaneous Multiple Peptide Synthesis", tetrahedron Letters 32(43): 6163-6166, (1991)
	CG	Bray et al.; "The Simultaneous Multiple Production of Solution Phase Peptides; Assessment of the Geysen Method of Symultaneous Peptide Synthesis", Tetrahedron Letters, 31 (40): 5811-5814, (September 24, 1990)
	CH	Pátek and Lebl, "Safety-Catch anchoring Linkage for Synthesis of Peptide Amides by Boc/Fmoc Strategy", Tetrahedron Letters, 32 (31): 3891-3894 (July 29, 1991)
	CI	Mitra-Kirtley; "Determination of the Nitrogen Chemical Structures in Petroleum Asphaltenes Using XANES Spectroscopy", J. Am Chem. Soc. 115(1): 252-258, (January 13, 1993)
	CJ	Geysen et al.; "Use of Peptide Synthesis to Probe Viral Antigens for Epitopes to a Resolution of a Single Amino Acid", Proc. Natl. Acad. Sci. USA 81(13): 3998-4002, (July 1984)
	CK	Houghten A. Richard, "General Method for the Rapid Solid-Phase Synthesis of Large Numbers of Peptides: Specificity of Antigen-Antibody Interaction at the Level of Individual Amino Acids", Proc. Natl. Acad. Sci. , 82: 5131-5135, (August 1985)
	CL	Hui et al.; "Analysis of the Quantitative Structure Activity Relationship of Technetium-99m-Labeled Diaminedithiol (DADT) and Propyleneamineoxine (PAO) Brain Blood Flow Analogues", Appl. Radiat. Isot. (International Journal of Radiation Applications: Part A). 42(6): 503-508, (1991)
	CM	Fodor et al.; "Light-Directed, Spatially Addressable Parallel Chemical Synthesis", Science, 251: 767-773, (February 15, 1991)
	CN	Galli et al.; "Sodium- Dependent Norepinephrine-Induced Currents in Norepinephrine-Transporter-Transfected Hek-293 Cells Blocked by Cocaine and Antidepressants", The Journal of Experimental Biology, 198: 2197-2212, (1995)
	CO	Warren et al.; "New Iodinated Phenyl Fatty Acids For Imaging Myocardial Metabolism", The Journal of Nuclear Medicine 27(6): abstract no. 258, (June 1986)
	CP	Mozley et al.; "Dosimetry of an Iodine-123-Labeled Tropane to Image Dopamine Transporters", J. Nucl. Med. , 37(1): 151-159, (January 1996)
	CQ	Nestler et al.; "A General Method for Molecular Tagging of Encoded Combinatorial Chemistry Libraries", J. Org. Chem. 59(17): 4723-4724, (august 26, 1994)
	CR	Burbaum et al.; "A Paradigm for Drug Discovery Employing Encoded Combinatorial Libraries", Proc. Natl. Acad. Sci. USA, 92: 6027-6031, (June 1995)
	CS	Efange et al.; "Synthesis and Biodistribution of 99 mTc -Labeled Piperidinyl bis (Aminoethanethiol) Complexes: Potential Brain Perfusion Imaging Agents for Single Photon Emission Computed Tomography", CA 108: 167266 (1988)
	CT	Partial International Search Report Mailed on Marcyh 14, 2002
CC	CU	International Search Report Completed on June 20, 2002 and Mailed July 7, 2002

**EXAMINER**

/Celia Chang/

**DATE CONSIDERED**

10/16/06

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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